

**AMENDMENT TO THE CLAIMS**

1. (Currently amended) A process for removal of SO<sub>2</sub> in off-gases having a temperature of 30-150° C and containing 0.001-1 vol % SO<sub>2</sub>, comprising the steps of:

in which oxidizing the SO<sub>2</sub> is oxidised to H<sub>2</sub>SO<sub>4</sub> without the use of an absorption tower by spraying an aqueous solution of H<sub>2</sub>O<sub>2</sub> into the off-gas upstream of an aerosol filter to form H<sub>2</sub>SO<sub>4</sub> by reaction in the gas phase between SO<sub>2</sub> and H<sub>2</sub>O<sub>2</sub>; and

removing the produced sulphuric acid from the off-gas in the aerosol filter.

2. (Original) A process as in claim 1, in which the off-gas is cooled by evaporation of the water comprised in the solution being sprayed into the off-gas upstream of the filter.

3. (Previously presented) A process as in claim 1, in which a wet electrostatic separator is used in place of an aerosol filter.

4. (Previously presented) A process according to claim 1 or 2, wherein the off-gas has a temperature of 50-120° C and contains 100-1000 ppm SO<sub>2</sub>.

OK TO ENTER: /I.W./

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